



**United States Environmental Protection Agency  
Region 9 Laboratory**

**1337 S. 46th Street Building 201  
Richmond, CA 94804**

**Date:** 2/13/2012

**Subject:** Analytical Testing Results - Project R33911  
SDG: 12034C

**From:** Brenda Bettencourt, Director  
EPA Region 9 Laboratory  
MTS-2

**To:** Richard Fetzer  
US EPA Region 3, Eastern Response Branch  
3HS31

Attached are the results from the analysis of samples from the **Dimock Residential Groundwater** project. These data have been reviewed in accordance with EPA Region 9 Laboratory policy.

A full documentation package for these data, including raw data and sample custody documentation, is on file at the EPA Region 9 Laboratory. If you would like to request additional review and/or validation of the data, please contact Eugenia McNaughton at the Region 9 Quality Assurance Office.

If you have any questions, please ask for Richard Bauer, the Lab Project Manager at (510)412-2300.

**Analyses included in this report:**

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Purgeable Petroleum Hydrocarbons by GC/FID



United States Environmental Protection Agency

Region 9 Laboratory

1337 S. 46th Street, Building 201, Richmond, CA 94804

Phone:(510) 412-2300

Fax:(510) 412-2302

Project Manager: Richard Fetzer

Project Number: R33911

Project: Dimock Residential Groundwater

US EPA Region 3, Eastern Response Branch

100 Gypsum Road

Stroudsburg PA, 18360

SDG: 12034C

Reported: 02/13/12 11:11

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
HW42	1202011-01	Water	02/02/12 10:28	02/03/12 10:00
HW46	1202011-02	Water	02/02/12 11:39	02/03/12 10:00
HW46-P	1202011-03	Water	02/02/12 11:24	02/03/12 10:00
TB15	1202011-04	Water	02/02/12 07:50	02/03/12 10:00
FB08	1202011-05	Water	02/01/12 14:45	02/03/12 10:00
HW34a	1202011-06	Water	02/01/12 15:47	02/03/12 10:00
HW34a-P	1202011-07	Water	02/01/12 15:55	02/03/12 10:00
TB14	1202011-08	Water	02/01/12 10:10	02/03/12 10:00
FB09	1202011-09	Water	02/02/12 10:15	02/03/12 10:00
HW42z	1202011-10	Water	02/02/12 10:29	02/03/12 10:00
TB16	1202011-11	Water	02/02/12 07:57	02/03/12 10:00

SDG ID 12034C

Work Order(s)

1202011



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### Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
<b>Lab ID: 1202011-01</b>						<b>Water - Sampled: 02/02/12 10:28</b>			
<b>Sample ID: HW42</b>						<b>Purgeable Petroleum Hydrocarbons by EPA Method 8015C</b>			
TPH as Gasoline		ND	U	50	ug/L	B2B0016	02/03/12	02/03/12	8015C/SOP380
<i>Surrogate: a,a,a-Trifluorotoluene</i>			103 %	76-121%		"	"	"	
<b>Lab ID: 1202011-02</b>						<b>Water - Sampled: 02/02/12 11:39</b>			
<b>Sample ID: HW46</b>						<b>Purgeable Petroleum Hydrocarbons by EPA Method 8015C</b>			
TPH as Gasoline		ND	U	50	ug/L	B2B0016	02/03/12	02/03/12	8015C/SOP380
<i>Surrogate: a,a,a-Trifluorotoluene</i>			102 %	76-121%		"	"	"	
<b>Lab ID: 1202011-03</b>						<b>Water - Sampled: 02/02/12 11:24</b>			
<b>Sample ID: HW46-P</b>						<b>Purgeable Petroleum Hydrocarbons by EPA Method 8015C</b>			
TPH as Gasoline		ND	U	50	ug/L	B2B0016	02/03/12	02/03/12	8015C/SOP380
<i>Surrogate: a,a,a-Trifluorotoluene</i>			100 %	76-121%		"	"	"	
<b>Lab ID: 1202011-04</b>						<b>Water - Sampled: 02/02/12 07:50</b>			
<b>Sample ID: TB15</b>						<b>Purgeable Petroleum Hydrocarbons by EPA Method 8015C</b>			
TPH as Gasoline		ND	U	50	ug/L	B2B0016	02/03/12	02/03/12	8015C/SOP380
<i>Surrogate: a,a,a-Trifluorotoluene</i>			100 %	76-121%		"	"	"	
<b>Lab ID: 1202011-05</b>						<b>Water - Sampled: 02/01/12 14:45</b>			
<b>Sample ID: FB08</b>						<b>Purgeable Petroleum Hydrocarbons by EPA Method 8015C</b>			
TPH as Gasoline		ND	U	50	ug/L	B2B0016	02/03/12	02/03/12	8015C/SOP380
<i>Surrogate: a,a,a-Trifluorotoluene</i>			102 %	76-121%		"	"	"	
<b>Lab ID: 1202011-06</b>						<b>Water - Sampled: 02/01/12 15:47</b>			
<b>Sample ID: HW34a</b>						<b>Purgeable Petroleum Hydrocarbons by EPA Method 8015C</b>			
TPH as Gasoline		ND	U	50	ug/L	B2B0016	02/03/12	02/03/12	8015C/SOP380
<i>Surrogate: a,a,a-Trifluorotoluene</i>			98 %	76-121%		"	"	"	
<b>Lab ID: 1202011-07</b>						<b>Water - Sampled: 02/01/12 15:55</b>			
<b>Sample ID: HW34a-P</b>						<b>Purgeable Petroleum Hydrocarbons by EPA Method 8015C</b>			
TPH as Gasoline		ND	J, Q4, U	50	ug/L	B2B0016	02/03/12	02/03/12	8015C/SOP380
<i>Surrogate: a,a,a-Trifluorotoluene</i>			98 %	76-121%		"	"	"	
<b>Lab ID: 1202011-08</b>						<b>Water - Sampled: 02/01/12 10:10</b>			
<b>Sample ID: TB14</b>						<b>Purgeable Petroleum Hydrocarbons by EPA Method 8015C</b>			
TPH as Gasoline		ND	U	50	ug/L	B2B0016	02/03/12	02/03/12	8015C/SOP380
<i>Surrogate: a,a,a-Trifluorotoluene</i>			102 %	76-121%		"	"	"	
<b>Lab ID: 1202011-09</b>						<b>Water - Sampled: 02/02/12 10:15</b>			
<b>Sample ID: FB09</b>						<b>Purgeable Petroleum Hydrocarbons by EPA Method 8015C</b>			
TPH as Gasoline		ND	U	50	ug/L	B2B0016	02/03/12	02/03/12	8015C/SOP380



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### Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
<b>Lab ID: 1202011-09</b>						<b>Water - Sampled: 02/02/12 10:15</b>			
<b>Sample ID: FB09</b>						<b>Purgeable Petroleum Hydrocarbons by EPA Method 8015C</b>			
<i>Surrogate: a,a,a-Trifluorotoluene</i>						B2B0016	02/03/12	02/03/12	
<b>Lab ID: 1202011-10</b>						<b>Water - Sampled: 02/02/12 10:29</b>			
<b>Sample ID: HW42z</b>						<b>Purgeable Petroleum Hydrocarbons by EPA Method 8015C</b>			
TPH as Gasoline						B2B0016	02/03/12	02/03/12	8015C/SOP380
<i>Surrogate: a,a,a-Trifluorotoluene</i>									
<b>Lab ID: 1202011-11</b>						<b>Water - Sampled: 02/02/12 07:57</b>			
<b>Sample ID: TB16</b>						<b>Purgeable Petroleum Hydrocarbons by EPA Method 8015C</b>			
TPH as Gasoline						B2B0016	02/03/12	02/03/12	8015C/SOP380
<i>Surrogate: a,a,a-Trifluorotoluene</i>									

### Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<b>Batch B2B0016 - 5030 P&amp;T TPH-G - TPH - Purgeable</b>						<b>Prepared &amp; Analyzed: 02/03/12</b>				
						<b>Purgeable Petroleum Hydrocarbons by EPA Method 8015C - Quality Control</b>				
<b>Blank (B2B0016-BLK1)</b>										
TPH as Gasoline						ND	U		50 ug/L	
<i>Surrogate: a,a,a-Trifluorotoluene</i>								125		
<b>LCS (B2B0016-BS1)</b>										
TPH as Gasoline						518			50 ug/L	500
<i>Surrogate: a,a,a-Trifluorotoluene</i>								104		75-114
<b>Matrix Spike (B2B0016-MS1)</b>						<b>Source: 1202011-07</b>				
TPH as Gasoline						562			50 ug/L	500
<i>Surrogate: a,a,a-Trifluorotoluene</i>								112		71-114
<b>Matrix Spike Dup (B2B0016-MSD1)</b>						<b>Source: 1202011-07</b>				
TPH as Gasoline						582			50 ug/L	500
<i>Surrogate: a,a,a-Trifluorotoluene</i>								116		71-114
<i>Surrogate: a,a,a-Trifluorotoluene</i>								3		11
<i>Surrogate: a,a,a-Trifluorotoluene</i>								105		76-121



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**Qualifiers and Comments**

Q4 The matrix spike and/or matrix spike duplicate associated with this sample did not meet recovery criteria for this analyte (see MS/MSD results for this batch in QC summary)

J The reported result for this analyte should be considered an estimated value.

U Not Detected

NR Not Reported

RE1, RE2, etc: Result is from a sample re-analysis.